

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Claim 1. (Currently Amended) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

interface means for detecting connection bus information of a bus connected to a certain wireless transmission apparatus;

wireless information transmitting means for transmitting corresponding connection bus information to said wireless network;

wireless information receiving means for receiving connection bus information transmitted from other wireless transmission apparatus located within said wireless network; and

internal storage means for storing therein these connection bus information-;

wherein said wireless information transmitting means transmits said connection bus information to said wireless network when said interface means detects a change of connection bus information.

Claim 2. (Canceled)

Claim 3. (Original) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

internal storage means for storing therein connection bus information within said wireless network; and

judging means for judging based on connection bus information of said wireless network whether or not information should be transmitted by radio when it receives wireless transmission information from a connection bus connected to a corresponding wireless transmission apparatus.

Claim 4. (Original) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

internal storage means for storing therein

connection bus information within said wireless network; and
recognizing means for recognizing a wireless transmission apparatus to which information is transmitted by radio based on connection bus information in each of said other communication stations when it receives wireless transmission information from a connection bus connected to a corresponding wireless transmission apparatus.

Claim 5. (Currently Amended) In a network management method in which a wireless network is ~~comprised~~ composed of a plurality of transmission apparatus to transmit information, said network management method ~~being wherein~~ comprising the steps of:

providing network connection bus information connected to a corresponding wireless network ~~is managed;~~

managing the corresponding wireless network by all communication stations comprising said network-, and

transmitting the network connection bus information to the corresponding wireless network upon detecting a change of the network connection bus information.

Claim 6. (Canceled)

Claim 7. (Currently Amended) In a network management method in which a wireless network is ~~comprised~~ composed of

a plurality of transmission apparatus to transmit information, said network management method ~~being wherein,~~ comprising the steps of:

detecting when connection bus information connected to its own communication station connected to a corresponding wireless network is changed; and

transmitting information indicative of said change of connection bus information ~~is transmitted to all the whole~~ of transmission apparatuses making up said wireless network.

Claim 8. (Currently Amended) In a wireless transmission method in which a wireless network is ~~comprised~~ composed of a plurality of transmission apparatus to transmit information, said wireless transmission method ~~being wherein, when~~ comprising the steps of:

designating a destination communication station to which information is transmitted by radio ~~is designated, it is determined;~~ and

determining, based on bus information of wireless transmission information in a corresponding wireless network and network connection bus information connected to a corresponding wireless network, whether or not information should be transmitted by radio; and

wherein said connection bus information is transmitted to said wireless network when a change of connection bus

information is detected.

Claim 9. (Currently Amended) In a wireless transmission method in which a wireless network is ~~comprised~~ composed of a plurality of transmission apparatus to transmit information, said wireless transmission method ~~being~~ wherein, when comprising the steps of:

designating, a destination communication station to which information is transmitted by radio ~~is designated,~~ and

providing said designated destination communication station ~~is designated~~ with reference to bus information of corresponding wireless transmission information and connection bus information connected to every communication station connected to a corresponding wireless network-,

wherein said connection bus information is transmitted to said wireless network when a change of connection bus information is detected.